

Replacement Abstract

A system for generating an electronic model having a common coordinate system includes a scanning device; a first plate module; and a second plate module. Each of the plate modules is configured to separately couple to the scanning device. The plate modules also can be moveably coupled together using an articulation device. Each of the plate modules includes alignment structures (e.g., spheres) to facilitate determining a position and orientation of the plate modules within a coordinate system of the scanning device.